



Attorney's Doc. No.: 02103-354001 / AABOSS05

2747  
2604

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : J. Richard Aylward et al.  
Serial No. : 09/313,058  
Filed : May 17, 1999  
Title : DIRECTIONAL DECODING

Art Unit : 2747  
Examiner : Unknown

Hon. Commissioner for Patents  
Washington, D.C. 20231

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12-3-04  
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INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed before a first Office action on the merits. I, the undersigned, hereby certify that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, the communication being dated August 6, 2002, which is not more than three months prior to the filing of this statement.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

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Respectfully submitted,

FISH & RICHARDSON P.C.

Date: NOV -4 2002

  
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Charles Hieken  
Reg. No. 18,411

Fish & Richardson P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906  
Attorneys for Application Owner  
BOSE CORPORATION

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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
02103-354001Application No.  
09/313,058**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
J. Richard Aylward et al.Filing Date  
May 17, 1999Group Art Unit  
2747**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,046,098	9/3/1991	Mandell et al.			6/1/1989
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	0 593 128 A	4/20/1994	EPO			X	
	AM	01 144900 A	6/7/1989	Japan			X	
	AN	05 236599 A	12/20/1993	Japan			X	
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.